
Understanding the Watcher Role: Responsibilities and Best Practices

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What is a Watcher?

A watcher is a team member who monitors **weekly RADOS tests**, on main branch, run by QE and Teuthology to:

- Ensure progress.
- Identify issues in test results.
- Take corrective actions if needed.

Why this Role Matters:

- Improves accountability
- Ensures smoother workflows
- Acts as a safeguard to catch potential issues early

Who this is For:

- Team members **volunteering** to take on this responsibility.

Using the Weekly Report

Purpose of the Weekly Report

- Provides a **centralized view** of RADOS test outcomes.
- Tracks **failures, and blockers**.
- Highlights areas requiring immediate attention or escalation.

How to Use the Weekly Report

1. **Review All Test Results**
 - Look for **failed tests** and identify trends (e.g., repeating issues).
 - Focus on high-priority or critical paths.
2. **Analyze Blockers**
 - Identify any unresolved blockers from previous weeks.
 - Verify whether they've been escalated or require further action.
3. **Track Progress**
 - Check that trackers are not left unhandled

What to Look For

- **Recurrent Test Failures**

Repeated issues that could indicate bugs or instability.

- **Environment Issues**

Problems with Teuthology, such as infrastructure instability or misconfigurations.

Next Steps for Watchers

- Update trackers if needed (Priority)
- Share critical findings during team meetings.
- Propose actions for unresolved issues or risks.

to me ▼

Directories scanned for version: reefdefault

/a/yuriw-2025-01-14_16:14:11-rados-wip-yuri6-testing-2025-01-13-1111-reef-distro-default-smithi

/a/yuriw-2025-01-15_17:02:00-rados-wip-yuri6-testing-2025-01-13-1111-reef-distro-default-smithi

Top 10 Failure Reasons:

- 1: <https://tracker.ceph.com/issues/69067> 'DevicePath': 16 occurrences
- 2: Command failed on smithi000 with status 1: "sudo TESTDIR=/home/ubuntu/ceph test bash -c 'ceph_test_cls_rbd --gtest_filter=TestClsRbd.get_features:TestClsRbd.parents:TestClsRbd.mirror': 7 occurrences
- 3: <https://tracker.ceph.com/issues/67860> Command failed on smithi000 with status 1: 'yes | sudo mkfs.xfs -f -i size=2048 -f /dev/vg_nvme/lv_2': 5 occurrences
- 4: <https://tracker.ceph.com/issues/56419> Command failed (workunit test cephadm/test_cephadm.sh) on smithi000 with status 1: 'mkdir -p -- /home/ubuntu/ceph test/mnt.0/client.0/tmp && cd -- /home/ubuntu/ceph test/mnt.0/client.0/tmp && CEPH_CLI_TEST_DUP_COMMAND=1 CEPH_REF=XXXXXXXXXXXXXXXXX TESTDIR="/home/ubuntu/ceph test" CEPH_ARGS="--cluster ceph" CEPH_ID="0" PATH=\$PATH:/usr/sbin CEPH_BASE=/home/ubuntu/ceph test/clone.client.0 CEPH_ROOT=/home/ubuntu/ceph test/clone.client.0 CEPH_MNT=/home/ubuntu/ceph test/mnt.0 adjust-ulimits ceph-coverage /home/ubuntu/ceph test/archive/coverage timeout 3h /home/ubuntu/ceph test/clone.client.0/qa/workunits/cephadm/test_cephadm.sh': 5 occurrences
- 5: Command failed (workunit test mon/mkfs.sh) on smithi000 with status 1: 'mkdir -p -- /home/ubuntu/ceph test/mnt.0/client.0/tmp && cd -- /home/ubuntu/ceph test/mnt.0/client.0/tmp && CEPH_CLI_TEST_DUP_COMMAND=1 CEPH_REF=XXXXXXXXXXXXXXXXX TESTDIR="/home/ubuntu/ceph test" CEPH_ARGS="--cluster ceph" CEPH_ID="0" PATH=\$PATH:/usr/sbin CEPH_BASE=/home/ubuntu/ceph test/clone.client.0 CEPH_ROOT=/home/ubuntu/ceph test/clone.client.0 CEPH_MNT=/home/ubuntu/ceph test/mnt.0 adjust-ulimits ceph-coverage /home/ubuntu/ceph test/archive/coverage timeout 3h /home/ubuntu/ceph test/clone.client.0/qa/standalone/mon/mkfs.sh': 4 occurrences
- 6: <https://tracker.ceph.com/issues/16803> reached maximum tries (50) after waiting for 300 seconds: 2 occurrences
- 7: Command failed (workunit test osd/pg-split-merge.sh) on smithi000 with status 1: 'mkdir -p -- /home/ubuntu/ceph test/mnt.0/client.0/tmp && cd -- /home/ubuntu/ceph test/mnt.0/client.0/tmp && CEPH_CLI_TEST_DUP_COMMAND=1 CEPH_REF=XXXXXXXXXXXXXXXXX TESTDIR="/home/ubuntu/ceph test" CEPH_ARGS="--cluster ceph" CEPH_ID="0" PATH=\$PATH:/usr/sbin CEPH_BASE=/home/ubuntu/ceph test/clone.client.0 CEPH_ROOT=/home/ubuntu/ceph test/clone.client.0 CEPH_MNT=/home/ubuntu/ceph test/mnt.0 adjust-ulimits ceph-coverage /home/ubuntu/ceph test/archive/coverage timeout 3h /home/ubuntu/ceph test/clone.client.0/qa/standalone/osd/pg-split-merge.sh': 2 occurrences
- 8: b'2025-01-15T02:57:00.482 DEBUG:teuthology.exit:Finished running handlers': 1 occurrences
- 9: <https://tracker.ceph.com/issues/40119> Command failed (workunit test rados/test.sh) on smithi000 with status 1: 'mkdir -p -- /home/ubuntu/ceph test/mnt.0/client.0/tmp && cd -- /home/ubuntu/ceph test/mnt.0/client.0/tmp && CEPH_CLI_TEST_DUP_COMMAND=1 CEPH_REF=XXXXXXXXXXXXXXXXX TESTDIR="/home/ubuntu/ceph test" CEPH_ARGS="--cluster ceph" CEPH_ID="0" PATH=\$PATH:/usr/sbin CEPH_BASE=/home/ubuntu/ceph test/clone.client.0 CEPH_ROOT=/home/ubuntu/ceph test/clone.client.0 CEPH_MNT=/home/ubuntu/ceph test/mnt.0 ALLOW_TIMEOUTS=1 adjust-ulimits ceph-coverage /home/ubuntu/ceph test/archive/coverage timeout 6h /home/ubuntu/ceph test/clone.client.0/qa/workunits/rados/test.sh': 1 occurrences
- 10: "2025-01-15T17:46:00.583074+0000 osd.6 (osd.6) 8 : cluster [WRN] osd.6 ep: 228 scrubber::ReplicaReservations pg[12.6]: timeout on replica reservations (since 2025-01-15 17:45:55)" in cluster log: 1 occurrences

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/a/yuriw-2025-01-15_17:02:00-rados-wip-yuri6-testing-2025-01-13-1111-reef-distro-default-smithi

1. We will first check the version and flavor that the report lists.
2. We also seeing the directories of the tests that were collected during the report scan.

Top 10 Failure Reasons:

1: <https://tracker.ceph.com/issues/69067> 'DevicePath': 16 occurrences

2: Command failed on smithi000 with status 1: "sudo TESTDIR=/home/ubuntu/ceph_test bash -c 'ceph_test_cls_rbd --gtest_filter=-TestClsRbd.get_features:TestClsRbd.parents:TestClsRbd.mirror': 7 occurrences

Tracking Failures Effectively

- **Failure Details**

- Each failure may include a **link to the tracker** related to it.
 - Note: Since this is scanned trackers, the link may not always be accurate or relevant.
- You'll also see:
 - The **error** detected by Teuthology.
 - The **number of occurrences** for that failure.

- **Updating Trackers**

- If you find that the tracker is **unrelated** to the error text or is **missing**, please inform us.
 - Provide the correct tracker so we can update the script for future runs.

- **Resource Impact Example**

- Imagine failure #1 occurred **16 times**.
 - Each run used **2 target nodes**, ran for **30 minutes**, and failed.
 - This results in **16 machine hours** wasted on a known issue.

Failure Monitoring and Communication

1. Check Each Failure
 - Ensure the tracker assigned to each failure is correct.
 - For our case (monitoring the main branch), confirm the tag “main-failures” is properly set in the tracker.
2. Prioritize Issues
 - Identify if any of the issues require immediate attention.
 - Repeated issues should also be flagged for urgent investigation.
3. Communication Protocol
 - Reach out to the assignee or any team member for additional details about specific failures.
 - If a new issue appears, communicate it promptly to the team.
 - Likely, something recent has caused it.
 - The sooner it is addressed, the easier it will be to identify and resolve the root cause.

Tips for Success

- **Stay Consistent**
 - Review reports weekly to stay on top of issues.
- **Ask for Help**
 - Reach out to Me, the team, or other watchers when needed.
- **Focus on the Bigger Picture**
 - Avoid micromanaging; focus on trends and high-priority areas.

Any other questions?